



**Environmental
 Notification Form**

For Office Use Only
 Executive Office of Environmental Affairs
 EOE A No.: 12851
 MEPA Analyst: ARTHUR Pugsley
 Phone: 617-626-1029

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Belcher Well		
Street: Ashers Path and Lowell Road		
Municipality: Mashpee	Watershed: Cape Cod Basin	
Universal Transverse Mercator Coordinates:	Latitude: 41.632957 Longitude: 70.491597	
Estimated commencement date: Sept. 2003	Estimated completion date: June 2004	
Approximate cost: \$800,000	Status of project design: 10 %complete	
Proponent: Mashpee Water District		
Street: 79 Industrial Drive		
Municipality: Mashpee	State: MA	Zip Code: 02649
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Virginia Leal		
Firm/Agency: S E A Consultants Inc.	Street: 485 Massachusetts Avenue	
Municipality: Cambridge	State: MA	Zip Code: 02139
Phone: (617) 497-7800	Fax: (617) 498-4775	E-mail: virginia.leal@seacon.com

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): None

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

List Local or Federal Permits and Approvals: Water Management Act

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|---|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input checked="" type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input checked="" type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/Extension Permit <input type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i>
Total site acreage	13.3			
New acres of land altered		0.02		
Acres of impervious area	0.002	0	0.002	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		0		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	0	130	130	
Number of housing units	0	0	0	
Maximum height (in feet)	0	10	10	
TRANSPORTATION				
Vehicle trips per day	0	0	0	
Parking spaces	0	0	0	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	860,000	860,000	
GPD wastewater generation/treatment	0	0	0	
Length of water/sewer mains (in miles)	130	0.15	130.15	

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

- Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

- Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

- Yes (Specify _____) No

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?
 Yes (Specify _____) No To the best of the applicant's knowledge.

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No To the best of the applicant's knowledge.

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (*You may attach one additional page, if necessary.*)

The Mashpee Water District (MWD) proposes to develop a public water supply well at this site to augment the existing supply inventory and to provide improved operational flexibility. The well will be driven to 70 feet below existing grade and finished as a 24-inch x 18-inch gravel packed well. A new pumping station and 800 feet of 12-inch ductile iron transmission main will be constructed to tie the new well into the existing main on Lowell Road.

The report on the groundwater assessment completed in July, 2000, is included as Appendix A. The objectives of this modeling evaluation were to assess potential impacts to the proposed Belcher supply well site from contamination emanating from the Massachusetts Military Reservation (MMR), and to determine the contributing area for the well. The findings were that the Belcher site zone of contribution should remain unaffected for at least 25 to 30 years. The MWD seeks approval to construct a well with a 900 gallons per minute (gpm) pump which shall operate no more than 16 hours per day, for a flow rate of 860,000 gallons per day (gpd). The MWD forecasts an increase in average day demand of 147,681 gpd over the current level by the year 2005, and attributes the increase to the addition of service connections rather than an increase in per user consumption (Appendix B). Analysis of water samples collected during a four hour pump test indicated that the water is of high quality (Appendix C). Development of the proposed Belcher well site will enable the MWD to meet demand while maintaining operational flexibility.

As stated in the wildlife habitat assessment report included as Appendix D, "there are no environmental restrictions pertaining to rare wildlife or wetland areas within a 400-foot radius of the site." The site is not protected as a Wetland Resource Area under the Massachusetts Wetland Protection Act or Town of Mashpee Wetlands Protection By-law (Chapter 172); nor is it within the 100-year floodplain, Estimated Habitat of Rare Wetlands Wildlife and Certified Vernal Pools, Cape Cod Critical Habitat, or an Area of Critical Environmental Concern.